



Date : 18th Jan 2024

Logical Reasoning - Coding Decoding

English

**Q:1 Direction:** Read the given information carefully and answer the following questions.

In a certain code language

'hunger and poverty remain' is coded as 'ner gup jil mub'

'people count poverty records' is coded as 'abc gup xyz def'

'count remain unchanged records' is coded as 'buf ner def xyz'

'people and poverty rate' is coded as 'abc mub for gup'

What is the code for 'poverty unchanged'?

1. ner gup
2. jil muf
3. gup buf
4. mub gub
5. None of these

**Q:2 Direction:** Read the given information carefully and answer the following questions.

In a certain code language

'hunger and poverty remain' is coded as 'ner gup jil mub'

'people count poverty records' is coded as 'abc gup xyz def'

'count remain unchanged records' is coded as 'buf ner def xyz'

'people and poverty rate' is coded as 'abc mub for gup'

Code 'ner' stands for which of the following?

1. remain
2. and
3. hunger
4. people
5. None of these

**Q:3 Direction:** Read the given information carefully and answer the following questions.

In a certain code language

'hunger and poverty remain' is coded as 'ner gup jil mub'

'people count poverty records' is coded as 'abc gup xyz def'

'count remain unchanged records' is coded as 'buf ner def xyz'

'people and poverty rate' is coded as 'abc mub for gup'

Find the code for "hunger".

1. gup
2. jil
3. mub
4. buf

5. None of these

**Q:4** If REASON is coded as 5 and BELIEVED as 7, then what is the code for GOVERNMENT?

1. 6
2. 8
3. 9
4. 10
5. 5

**Q:5** If in a certain code language 'BEAUTIFUL' is written as 'OFURGZVY' and 'LAPTOP' is written as 'KLGKZO' then how is UNDERSTANDING written in the same code language?

1. TMRWMZGHIVDFT
2. TTRWMRGHIVWMF
3. TMRWMZGHIVWMF
4. TMRYTZGHIVWMF
5. None of these

**Q:6** If E = 5, PEN = 35, then PAGE = ?

1. 27
2. 28
3. 29
4. 36
5. 32

**Q:7** If in a certain code language, NOTEBOOK is written as 'EFBEBFFB', APPLE is written as 'AGGCE', then how will POCKET be written in the same code language?

1. GHCBEB
2. SFGBEB
3. GFCBEB
4. GFCBAB
5. None of these

**Q:8 Direction:** Read the information carefully and answer the following questions.

In a certain language,

'banks are corporates' is written as 'Li Gi Ki'

'money lends through banks' is written as 'Ti Si Gi Fi'

'Plastic money are cards' is written as 'Vi Ki Di Ti'

'digital banks use phone' is written as 'Gi Zi Mi Pi'

What is the code for 'phone'?

1. Either Zi or Mi
2. Either Pi or Mi



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3. Either Zi or Pi
4. Cannot be determined
5. None of these

**Q:9 Direction: Read the information carefully and answer the following questions.**

In a certain language,

'banks are corporates' is written as 'Li Gi Ki'

'money lends through banks' is written as 'Ti Si Gi Fi'

'Plastic money are cards' is written as 'Vi Ki Di Ti'

'digital banks use phone' is written as 'Gi Zi Mi Pi'

If 'Bank use cards' is coded as 'Mi Gi Di' then what will be the code for 'Corporates use plastic'?

1. Li Mi Vi
2. Vi Mi Ki
3. Zi Mi Vi
4. Pi Mi Li
5. Ki Si Pi

**Q:10 Read the given information carefully and answer the question below.**

In a certain language,

'banks are corporates' is written as 'Li Gi Ki'

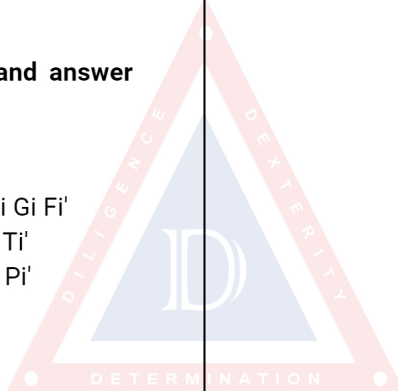
'money lends through banks' is written as 'Ti Si Gi Fi'

'Plastic money are cards' is written as 'Vi Ki Di Ti'

'digital banks use phone' is written as 'Gi Zi Mi Pi'

What is the code for 'Plastic Cards'?

1. Vi Mi
2. Ti Di
3. Li Gi
4. Pi Ti
5. Vi Di



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## Answer Key

1. (3)	2. (1)	3. (2)	4. (3)	5. (3)
6. (3)	7. (3)	8. (4)	9. (1)	10. (5)

## Answers and Solutions

**Q:1** The correct answer is **Option 3** i.e. 'gup buf'



We get the codes:

hunger - jil  
and - mub  
poverty - gup  
remain - ner  
people - abc  
count - xyz/def  
records - def/xyz  
unchanged - buf  
rate - for

So, the code of poverty is 'gup' and code of unchanged is 'buf'.

Hence, the correct answer is 'gup buf'.

**Q:2** The correct answer is **Option 1** i.e. 'remain'



We get the codes:

hunger - jil  
and - mub  
poverty - gup  
remain - ner  
people - abc  
count - xyz/def  
records - def/xyz  
unchanged - buf  
rate - for

So, the code of remain is 'ner'.

Hence, the correct answer is 'remain'.

**Q:3** The correct answer is **Option 2** i.e. 'jil'



We get the codes:

hunger - jil  
and - mub  
poverty - gup  
remain - ner  
people - abc  
count - xyz/def  
records - def/xyz  
unchanged - buf  
rate - for

So, the code of hunger is 'jil'.

Hence, the correct answer is 'jil'.

**Q:4** The correct answer is **Option 3** i.e. 9

Here, each word is coded by the numeral which is 1 less than the number of letters in the word.

Since there are 10 letters in the word GOVERNMENT, so the answer will be  $10 - 1 = 9$ .

Hence, 9 is the correct answer.

**Q:5** The correct answer is **Option 3** i.e. **TMRWMZGHIVWME**

The logic which follows here is:

Opposite letters of the word are written.

The opposite letter of the last word is written on the first position from the left, then the opposite letter of the second last word is written on the second position from the left end, and so on.



Similarly,



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U N D E R S T A N D I N G  
T M R W M Z G H I V W M F

Hence, **TMRWMZGHIVWMF** is the correct answer.

**Q:6** The correct answer is **Option 3** i.e. **29**

Given:

E = 5

PEN = 35

Clearly, each letter is replaced by its positional value,

PEN = P + E + N = 16 + 5 + 14 = 35

So, PAGE = P + A + G + E = 16 + 1 + 7 + 5 = 29

Hence, **29** is the correct answer.

**Q:7** The correct answer is **Option 3** i.e. **GFCBEB**.

The logic which follows here is:

Addition of the place value numbers of the letters and then the same letter is written whose position is obtained after adding the number.

N	O	T	E	B	O	O	K
14	15	20	5	2	15	15	11
↓	↓	↓	↓	↓	↓	↓	↓
(1+4)	(1+5)	(2+0)	(5)	(2)	(1+5)	(1+5)	(1+1)
5	6	2	5	2	6	6	2
E	F	B	E	B	F	F	B
A	P	P	L	E			
1	16	16	12	5			
↓	↓	↓	↓	↓			
(1)	(1+6)	(1+6)	(1+2)	(5)			
1	7	7	3	5			
A	G	G	C	E			

Similarly

P	O	C	K	E	T
16	15	3	11	5	20
↓	↓	↓	↓	↓	↓
(1+6)	(1+5)	(3+0)	(1+1)	(5)	(2+0)
7	6	3	2	5	2
G	F	C	B	E	B

Hence, the correct answer is **GFCBEB**.

**Q:8** The correct answer is **Option 4** i.e. **Cannot be determined**

The given coded language can be decoded as:

banks are corporates → Li Gi Ki  
money lends through banks → Ti Si G  
Plastic money are cards → Vi Ki Di  
digital banks use phone → Gi Zi Mi

We cannot determine the code for the phone.

Hence, the correct answer is **Cannot be determined**.

**Q:9** The correct answer is **Option 1** i.e. **Li Mi Vi**

The given coded language can be decoded as:

banks are corporates → Li Gi Ki  
money lends through banks → Ti Si G  
Plastic money are cards → Vi Ki Di  
digital banks use phone → Gi Zi Mi

If 'Bank use cards' is coded as 'Mi Gi Di' then it means that the code for 'use' is 'Mi' and the code for 'cards' is 'Di'. Now, we can use the elimination method to determine codes for 'corporates' and 'plastic'.

corporates - Li

plastic - Vi

So, the code for 'corporates use plastic' is 'Li Mi Vi'.

Hence, **Li Mi Vi** is the correct answer.

**Q:10** The correct answer is **Option 5** i.e. **Vi Di**

The given coded language can be decoded





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banks are corporates → Li Gi Ki  
money lends through banks → Ti Si Gi Fi  
as: Plastic money are cards → Vi Ki Di Ti  
digital banks use phone → Gi Zi Mi Pi

Hence, **Vi Di** is the correct answer.

